

ABSTRACT

- A prologue and an epilogue of a function are hooked.
- 5 Completion of the prologue is stalled in a first state of a stack frame, and a copy of the first state of the stack frame is saved. Completion of the prologue is initiated, permitting execution of the function. Completion of the epilogue is stalled in a second state of the stack frame.
  - 10 The saved copy of the first state of the stack frame is located and compared with the second state of the stack frame. A determination is made whether the stack frame is corrupted based on the comparison. Upon a determination that the stack frame is corrupted, the second state of the stack
  - 15 frame is replaced with the copy of the first state of the stack frame, and completion of the epilogue is initiated, allowing the function to complete.